

ABSTRACT

A lightweight, economical, mass-producible, reusable airfoil can be deployed in an airspace while in or attached to any moving vehicle for the purpose of collecting air samples. A frame has an airfoil shape that provides pressure differentials that preferentially direct particulates and contaminants of differing size and mass to different areas of an absorbent media attached or integral to the frame. The absorbent media are readily detachable from the frame for sanitary and efficient transfer to facilities where the samples can be analyzed.

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